

IN THE CLAIMS:

The status and content of each claim follows.

1-14. (cancelled)

15. (currently amended) A computer program product for generating an electronic document, the computer program product comprising:

a computer usable medium having computer usable program code embodied therewith, the computer usable program code comprising:

computer usable program code configured to define the electronic document;

~~A data structure which defines an electronic document, the data structure comprising~~
in which the computer usable program code comprises first and second substantially separate portions of data;

in which the first portion of data ~~defines~~ defining the content of the electronic document and the second portion comprises ~~comprising~~ data relating to a pattern of position identification markings such that, when the electronic document is printed, a pattern reading device, ~~such as a pen,~~ is able to determine its position relative to the position identification markings[[,]]; and

in which the computer usable program code ~~data structure~~ comprises ~~comprising~~ a single data file with the first and second data portions being embedded within the data file.

16. (currently amended) The computer program product of ~~A data structure according to~~
claim 15 which is written [[in]] such ~~a form~~ that the computer usable program code ~~data~~

~~structure~~ can be converted from one format to other formats without losing any of the information from the electronic document.

17. (currently amended) The computer program product of A data structure according to claim 15 in which the second portion of data comprises metadata and in which the computer usable program code ~~data structure~~ includes one or more controls which control the way in which the second portion of data is converted between formats to preserve the pattern.

18. (currently amended) The computer program product of A data structure according to claim 16 in which the second portion of data comprises metadata and in which the computer usable program code ~~data structure~~ includes one or more controls which control the way in which the second portion of data is converted between formats to preserve the pattern.

19. (currently amended) The computer program product of A data structure according to claim 15 in which the data in the second portion comprises anyone or more of the following: data from which an algorithm or the like can generate the pattern; co-ordinates or other metadata identifying the portion of the position identification marking.

20. (currently amended) The computer program product of A data structure according to claim 16 in which the data in the second portion comprises anyone or more of the following: data from which an algorithm or the like can generate the pattern; co-ordinates or other metadata identifying the portion of the position identification marking.

21. (currently amended) The computer program product of A data structure according to
claim 17 in which the data in the second portion comprises anyone or more of the following:
data from which an algorithm or the like can generate the pattern; co-ordinates or other
metadata identifying the portion of the position identification marking.

22. (currently amended) The computer program product of A data structure according to
claim 18 in which the data in the second portion comprises anyone or more of the following:
data from which an algorithm or the like can generate the pattern; co-ordinates or other
metadata identifying the portion of the position identification marking.

23. (currently amended) The computer program product of A data structure according to
claim 15 in which the at least one portion providing the position of the position identification
markings within the electronic document and/or data identifying the content of the position
identification marking in the electronic document is provided in XML.

24. (currently amended) The computer program product of A data structure according to
claim 16 in which the at least one portion providing the position of the position identification
markings within the electronic document and/or data identifying the content of the position
identification marking in the electronic document is provided in XML.

25. (currently amended) The computer program product of A data structure according to
claim 17 in which the at least one portion providing the position of the position identification
markings within the electronic document and/or data identifying the content of the position
identification marking in the electronic document is provided in XML.

26. (currently amended) The computer program product of A data structure according to
claim 18 in which the at least one portion providing the position of the position identification
markings within the electronic document and/or data identifying the content of the position
identification marking in the electronic document is provided in XML.

27. (currently amended) The computer program product of A data structure according to
claim 19 in which the at least one portion providing the position of the position identification
markings within the electronic document and/or data identifying the content of the position
identification marking in the electronic document is provided in XML.

28. (currently amended) The computer program product of A data structure according to
claim 20 in which the at least one portion providing the position of the position identification
markings within the electronic document and/or data identifying the content of the position
identification marking in the electronic document is provided in XML.

29. (currently amended) The computer program product of A data structure according to
claim 21 in which the at least one portion providing the position of the position identification
markings within the electronic document and/or data identifying the content of the position
identification marking in the electronic document is provided in XML.

30. (currently amended) The computer program product of A data structure according to
claim 22 in which the at least one portion providing the position of the position identification

markings within the electronic document and/or data identifying the content of the position identification marking in the electronic document is provided in XML.

31. (currently amended) The computer program product of ~~A data structure according to~~ claim 15 in which a schema, ~~generally an XML schema,~~ is provided.

32. (currently amended) A system for producing ~~An application adapted to produce~~ an electronic document, the system ~~application~~ comprising:

~~content receiving~~ means for receiving the content of the electronic document,

~~pattern receiving~~ means for receiving data defining a pattern of positional markings allocated to at least a portion of the document; and

~~data structure generating~~ means for generating a data structure defining the electronic document which data structure comprises first and second ~~substantially separate~~ portions of data, the first portion of data defining the content and the second portion of data relating to the pattern.

33. (currently amended) A method for generating an electronic document comprising creating an electronic file and storing in that file data and metadata, the data defining at least some content and the metadata relating to a pattern of position identification markings arranged to allow a pattern reading device, ~~such as a pen,~~ to determine its position within the position identification markings, the electronic file capable of generating an electronic document.

34. (currently amended) A method according to claim 33 in which a file embedding mechanism is used to embed metadata, ~~generally XML metadata,~~ within the electronic document.

35. (new) The computer program product of claim 15, in which the pattern reading device is a digital pen.

36. (new) The method of claim 33, in which the pattern reading device is a digital pen.

37. (new) The computer program product of claim 31, in which the schema is an XML schema.

38. (new) The method of claim 34, in which the metadata is XML metadata.